



EARTH SYSTEM SCIENCE

Data and Services

Human Dimensions *Data Set Reference Sheet*

January 2011

Physical Properties	Data Center	Selected Data Sets and Data Collections <i>Complete data set listings available through each individual data center. For information about NASA's Earth Observing System Data and Information System (EOSDIS) data centers, see: http://nasadaacs.eos.nasa.gov</i>
Population & Land Use	SEDAC http://sedac.ciesin.columbia.edu	<ul style="list-style-type: none"> • Gridded Population of the World (GPW v3) - Third edition of a population database on a 2.5 arc-minute grid • Global Rural-Urban Mapping Project (GRUMP) - Includes 30 arc-second population grids, human settlements and urban extents • China Dimensions Data Collection - Includes digital administrative boundaries, fundamental GIS layers, county-level data on population, agriculture, economics and hospitals • Population, Landscape, and Climate Estimates, Version II (PLACE II) - National level aggregations of biome, climate, coastal proximity, elevation, and population density data for 1990 and 2000 • U.S. Census Grids 2000 - data sets include population counts plus a wide variety of socioeconomic characteristics • Global Distribution of Poverty - maps, spatial data and tabular data of global poverty. Infant mortality and malnutrition data available globally. Higher-resolution consumption and basic needs data available for 28 countries • Low Elevation Coastal Zone Urban-Rural Estimates - maps and tabular data of country-level estimates of urban, rural and total population and land area in low elevation coastal zones • Urban Landsat: Cities from Space - Landsat IR/visible imagery for 78 urban areas, and data for 28 urban locations around the world • 2008 TerraViva! SEDAC Viewer CD - data-viewing engine and SEDAC data sets enabling the visualization and integration of hundreds of socioeconomic and environmental variables and layers, including a range of satellite-based data • Anthropogenic Biomes - 21 anthropogenic biomes based on population density, land use, biota, climate, terrain and geology • Global Agricultural Lands - Maps and spatial data of cropland and pasture as a snapshot of global agricultural activity around the year 2000. http://sedac.ciesin.columbia.edu/es/aglands.html
Human & Environmental Health	SEDAC http://sedac.ciesin.columbia.edu	<ul style="list-style-type: none"> • 2010 Environmental Performance Index - Measurement of 163 countries on 25 environmental indicators including environmental health, air pollution, water resources, biodiversity and habitat, productive natural resources and climate change • Environmental Treaties and Resource Indicators (ENTRI) - Searchable relational database containing international environmental treaties, treaty summaries, treaty status files and natural resource indicators • Environmental Sustainability - a web site providing access to data from a wide range of environmental sustainability indicator efforts such as 1) Human Appropriation of Net Primary Productivity, 2) National Resource Management Index, 3) Environmental Performance Index, and 4) Environmental Sustainability Index • Natural Disaster Hotspots: A Global Risk Analysis - A set of global geospatial data on six major natural hazards and associated risks of mortality and economic loss • Global Distribution of Poverty - A collection of subnational, spatially explicit poverty data sets for selected proxy measures of poverty at global and national scales • Environmental Treaty Conference of Party (ENTRI COP) Decision Documents - Full text decision documents for all meetings of the conference of parties (COPs) of ten major international environmental agreements • 2008 TerraViva! SEDAC Viewer CD - Map viewer and software application enables the visualization and integration of hundreds of socioeconomic and environmental variables, including SEDAC and satellite-based data • Anthropogenic Biomes - 21 anthropogenic biomes based on population density, land use, biota, climate, terrain and geology • 2005 Environmental Sustainability Index - A measure of overall progress toward environmental sustainability, developed for 146 countries • China Dimensions Data (e.g. Chinese County-Level Data on Hospitals and Epidemiology Stations, 1950-1985) • Indicators of Coastal Water Quality

Biodiversity & Ecosystems	ORNL DAAC http://daac.ornl.gov	<ul style="list-style-type: none"> • Global N Cycle Fluxes and N2O Mixing Ratios Originating from Human Activity • Geoecology: County-level environmental data for the United States 1964-1979
	SEDAC http://sedac.ciesin.columbia.edu	<ul style="list-style-type: none"> • Environmental Treaty Texts - Full text of more than 140 international environmental agreements • Central American Vegetation/Land Cover Classification and Conservation Status • Last of the Wild, Version 2 - Three data sets depicting human influence on terrestrial ecosystems using data sets compiled on or around 2000 • Human Appropriation of Net Primary Productivity (HANPP) - data and maps for global net primary productivity, human appropriation of NPP and HANPP expressed as a percent of NPP • 2008 TerraViva! SEDAC Viewer CD - data-viewing engine and SEDAC data sets enabling the visualization and integration of hundreds of socioeconomic and environmental variables and layers, including a range of satellite-based data • Species Distribution Grids - 30 arc-second resolution grids available for global amphibian distributions and for birds and mammals in the Americas • Anthropogenic Biomes - 21 anthropogenic biomes based on population density, land use, biota, climate, terrain and geology
Climate Change	NSIDC DAAC http://nsidc.org/daac	<ul style="list-style-type: none"> • When the Weather is Uggianaqtuq: Inuit Observations of Environmental Change
	SEDAC http://sedac.ciesin.columbia.edu	<ul style="list-style-type: none"> • Effects of Climate Change on Global Food Production - crop yield estimates based on greenhouse gas emissions from the Special Report on Emissions Scenarios (SRES) A1F1, A2, B1 and B2 • Intergovernmental Panel on Climate Change (IPCC) Scenario 1992 (IS92) Updated - Includes version 1.1 of the IS92 Emission Scenario data set • Assessments of Impacts and Adaptations to Climate Change (AIACC) - Provides access to data, software and bibliographic resources related to climate impacts, adaptation, and vulnerability across multiple sectors • Geographic Distribution of Climate Change Vulnerability - Assessment and mapping effort to examine the distribution of vulnerability to climate change, reflecting exposure to change and adaptive capacity • IPCC Fourth Assessment Report (AR4) Observed Climate Change Impacts - statistically significant trends in systems related to climate change variables over the period 1970 to 2004

NSIDC DAAC National Snow and Ice Data Center DAAC

ORNL DAAC Oak Ridge National Laboratory DAAC

SEDAC Socioeconomic Data and Applications Center

Produced by:
Earth Science Data and Information System (ESDIS) Project
Code 423
Goddard Space Flight Center
Greenbelt, MD 20771

For more information, please contact outreach@eos.nasa.gov